

<sup>88</sup>Sr(d,α) 1972Ko37

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alexandru Negret, Balraj Singh		NDS 124, 1 (2015)	30-Nov-2014

1972Ko37: E=17 MeV. Measured  $\sigma(\theta)$  with a magnetic spectrograph from  $\theta=12.5^\circ-65^\circ$ . FWHM=11 keV. DWBA analysis.  
 Other:  
 1972Bu32 (also 1977Bu20) E=11.6 MeV. FWHM=15 keV. Measured  $\sigma(\theta)$  from  $\theta=20^\circ-100^\circ$ . DWBA analysis. A total of 13 groups reported up to 2150 with L-values assigned for 10 of these.

<sup>86</sup>Rb Levels

$\sigma(\text{exp})/\sigma(\text{DWBA})$  values in comments are normalized to 1.0 for 779 state.

E(level) <sup>†</sup>	L <sup>‡</sup>	dσ/dΩ (max) μb/sr <sup>&amp;</sup>	Comments
0	1	105	L: other: 3 (1972Bu32). $\sigma(\text{exp})/\sigma(\text{DWBA})=3.5$ (1972Ko37).
487 2	0+(2)	175	L: other: 2 (1972Bu32).
555# 2	3+5	225	$\sigma(\text{exp})/\sigma(\text{DWBA})=1.4$ (1972Ko37).
779@ 2	(3)+(7)	34	L: other: 3 (1972Bu32). $\sigma(\text{exp})/\sigma(\text{DWBA})=1$ (normalized value).
872 2	3	12	$\sigma(\text{exp})/\sigma(\text{DWBA})=0.8$ (1972Ko37).
978 2	3	49	$\sigma(\text{exp})/\sigma(\text{DWBA})=1.2$ (1972Ko37).
1028 2	2	76	L: other: 0+2 (1972Bu32).
1103# 2	4,(3+5)	16	$\sigma(\text{exp})/\sigma(\text{DWBA})=0.7$ (1972Ko37).
1195 2	3(+5)	55	L: other: 2 (1972Bu32).
1247 2	5	6	
1304# 2	4	94	L: other: (3) (1972Bu32).
1388 2	4	9	
1412 2	5	26	
1438 2	3	86	
1501 2	(4,5)	5	
1553 4	5	7	
1667 2	2	170	L: other: 3 (1972Bu32).
1703 4	2	28	
1760 3	(0)	5	
1816 4	(4,5)	4	
1892 3	2	14	
1922@ 3	(3+5)	17	
2026 3	4	31	
2128 3	4	28	
2148 3	2	60	L: other: 0+2 (1972Bu32).
2255 3	(6)	15	
2270 3	(4,5)	8	
2302 3	(4)	12	
2400 4	(5)	5	
2417 4		7	
2462 4	(5)	5	
2498 4	(4)	3	
2534 4	2	17	
2596 4	0	18	
2758@ 4		9	
2951 4	0	17	
3271@ 5		12	
3319@ 5		20	

Continued on next page (footnotes at end of table)

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 ${}^{88}\text{Sr}(\text{d},\alpha)$  **1972Ko37 (continued)**

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 ${}^{86}\text{Rb}$  Levels (continued)

† From [1972Ko37](#).

‡ From DWBA analysis of  $\sigma(\theta)$  ([1972Ko37](#)).

# Doublet.

@ Probable doublet.

& From [1972Ko37](#).